

1923.



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NORTHWICH RURAL DISTRICT COUNCIL.

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# ANNUAL REPORT

OF THE

Medical Officer of Health,

AND

Vital Statistics, &c.,

For the Year ended 31st Dec., 1923.

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# NORTHWICH RURAL DISTRICT.

## ANNUAL REPORT

OF THE  
MEDICAL OFFICER OF HEALTH,

*For the Year ended December 31st, 1923.*

The population is estimated by the Registrar General to be 25,110 ; the excess of births over deaths being 286. The Area of the District remains at 54,303 acres.

The rateable value of the district is £216,401, and a penny rate produces £910.

The amount given as Out-door Relief within the District was £3.401, in addition to which £3,494 was expended throughout the Union as Relief to unemployed.

**Births.**—The total number of births (corrected by R.G.) was 559, of which 254 were of males and 305 of females, giving a rate of 22·2 per 1,000. There were 20 births of illegitimate children, giving a rate of ·79 per 1,000.

The following table shows the number and sex during each quarter in the several Sub-Districts, the figures being based upon the returns of the Local Registrars :—

Rural District of	1st QUARTER.				2nd QUARTER.				3rd QUARTER.				4th QUARTER.				TOTALS FOR YEAR.		
	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l
Weaverham.	41	29	70		29	33	62		24	29	53		17	33	50		111	124	235
Northwich ..	17	21	38		20	26	46		16	32	48		17	13	30		70	92	162
Over .....	7	5	12		8	7	15		9	8	17		7	4	11		31	24	55
Middlewich..	15	15	30		7	13	20		13	14	27		10	11	21		45	53	98
Totals for Quarters...	80	70	150		64	79	143		62	83	145		51	61	112		257	293	550
Births of illegitimate Children	W. 3 M. N. 1 F. M. 1 F.				W. 1 M. N. 1 F.				W. 3 M. N. 1 M. O. 1 M. M. 1 F.				O. 1 M. M. 2 M.				16	12 M. 4 F.	
	5				2				6				3						

**Deaths.**—The number of deaths (R.G.) was 273, of which 137 were males and 136 females. M. 13 and Table II show particulars of causes and ages ; M. 13 being the corrected figures of the R.G., and Table II being compiled from the returns of the Local Registrars.

There was 1 death from typhoid fever (which was not notified), 4 from measles, 6 from whooping cough, 2 from diphtheria, 8 from influenza, 14 from tuberculosis, 28 from cancer, a group of 69 from apoplexy, degenerated arteries and heart disease—many in this group being of great age, 43 from diseases of the lungs other than phthisis, only 1 from parturition, 22 from premature birth, 1 from suicide, and 10 from violence.

There were 37 deaths in public Institutions, 33 being in the Warrington Sanatorium at Weaverham, the other 4 being in the Isolation Hospital.

There were 20 inquests held, 2 being upon infants aged 1 and 3, the respective verdicts being overlaying and convulsions ; 3 were from drowning, 1 suicidal (F. 29) and 2 accidental ; 2 old people died from falling out of bed (ages 77 and 92), a boy of 3 was knocked down by a cyclist, and one of 7 killed by a cart falling into a brook, 1 man was asphyxiated in a lime kiln, and the other deaths were from natural causes, e.g., apoplexy, abdominal aneurism and cardiac disease.

The death rate is 10·8 per 1,000.

**Infantile Mortality.**—The number of deaths of children under a year old was 44 (R.G.), 25 being of males and 19 of females, while 6 were of illegitimate children. Table III shows the different ages and diseases ; the numbers during the months and quarters being as follows :—

Jan. ... 5	Apr. ... 4	July ... 0	Oct. ... 4
Feb. ... 9	May ... 4	Aug. ... 3	Nov. ... 1
Mar. ... 2	June ... 0	Sept. ... 2	Dec. ... 2
<hr/>			
1st Quar. 16- -2	2nd Quar. 8	3rd Quar. 5	4th Quar. 7=38

This figure is the number occurring in the district plus 2 which died without the district in a neighbouring Institution, and can thus be traced and accounted for in the table.

Of these deaths 3 were from infectious disease, 2 from meningitis, 2 from convulsions (one being the subject of an inquest), 8 from diseases of the lungs, 2 from venereal disease, 1 from overlaying, and the other 20 from premature birth, malformation and debility.



There were 6 deaths of illegitimate children, 2 being non-resident at the time of birth; the 4 registered within the district were as follows :—

Male 7M., Bronchitis, Mother domestic servant.

Male } Twins, 2 days, Prematurity, Mother domestic servant.  
Male }

Female 3M., Convulsions. Inquest held.

The corrected figure of the R.G. shows :—

1. A death rate of 1·7 per 1,000 of the population.
2. An illegitimate death rate of ·2 per 1,000 of the population.
3. That 68 legitimate and 1·7 illegitimate out of every 1,000 born, die under one year of age.

**Infectious Diseases.**—The number of notifications was 178, more than half, i.e., 107, being of scarlet fever. The numbers of different diseases and the ages are set out in Table IV. The epidemic of scarlet fever was prevalent during the first half of the year, the 4 quarters showing 42, 32, 19 and 14 respectively. The following list shows that Marston, Wincham and adjoining parishes were most affected. The disease was of a very mild character and no deaths occurred.

Of the 24 cases of diphtheria it will be seen from the Table that the cases were distributed throughout the district, and the quarterly numbers are 11, 7, 4 and 2.

There were 2 cases of encephalitis lethargica, both males, and both recovered.

There were 2 cases of ophthalmia neonatorum, one was removed to the Manchester Royal Eye Hospital, and both recovered.

It will be observed that the incidence of infectious disease is heaviest among children of school age.

Epidemics of measles, whooping cough and chicken pox invaded the district to some extent, and school closure was adopted as follows :—

Marston C.E.	...	...	24th Jan to 7th Feb.,	Scarlet Fever.
			3rd Sep. to 24th Sep.,	Whooping Cough.
Crowton C.E.	...	...	19th Feb. to 5th Mar.,	Measles.
Barnton C.E.	...	...	16th Apr. to 30th Apr.,	Chicken Pox.
Rudheath St. John's				
(Penny's Road Infants)...			16th Apr. to 7th May,	Whooping Cough.
Weaverham Council				
(Infants only)	...	...	27th June to 18th July,	Whooping Cough.
Delamere C.E.	...	...	12th Nov. to 26th Nov.	Chicken Pox.

The following is a list of the cases as distributed over the district :—

Townships.	Scarlet Fever.	Diphtheria.	Erysipelas.	Influenzal Pneumonia.	Puerperal Fever.	Encephalitis Lethargica.	Ophthalmia Neonatorum.	Total.
Acton ...	—	1	—	—	—	—	—	1
Allostock ...	1	—	—	—	—	—	—	1
Anderton ...	1	1	1	—	—	—	—	3
Barnton ...	8	1	1	—	1	1	—	12
Byley ...	—	1	—	—	—	—	—	1
Cogshall ...	1	—	—	—	—	—	—	1
Comberbach ...	8	1	—	—	—	—	—	9
Darnhall ...	—	1	—	1	—	—	—	2
Davenham ...	—	1	1	—	—	—	1	3
Hartford ...	1	3	—	—	—	—	—	4
Kinderton ...	3	2	—	1	—	—	—	6
Leftwich ...	2	—	—	—	—	—	—	2
Little Leigh ...	1	—	—	—	—	—	—	1
Lostock Gralam.	1	—	1	—	—	—	—	2
Marston ...	25	1	—	—	—	—	—	26
Marton... ...	2	—	—	—	—	—	—	2
Moulton ...	2	4	—	2	—	—	—	8
Oakmere ...	3	—	—	—	—	—	—	3
Rudheath ...	7	2	1	—	—	—	—	10
Stanthorne ...	—	1	—	—	—	—	—	1
Weaverham ...	3	—	2	—	—	—	—	5
Whatercroft ...	—	—	—	—	—	1	—	1
Wimboldsley ...	—	1	—	—	—	—	—	1
Wincham ...	20	—	—	—	—	—	1	21
Winnington ...	18	3	—	1	—	—	—	22
Total ...	107	24	7	5	1	2	2	148

and the numbers from the various townships removed to Hospital were :—

Townships.	Scarlet Fever.	Diphtheria.	Total.
Allostock ...	1	—	1
Anderton ...	—	1	1
Barnton ...	8	1	9
Byley ...	—	1	1
Comberbach ...	8	1	9
Hartford ...	1	2	3
Kinderton ...	1	1	2
Lostock Gralam ...	1	—	1
Marston ...	24	1	25

Moulton	...	...	2	...	2	...	4
Oakmere	...	...	3	...	—	...	3
Rudheath	...	...	3	...	2	...	5
Stanthorne	...	...	—	...	1	...	1
Weaverham	...	...	1	...	—	...	1
Wimboldsley	...	...	—	...	1	...	1
Wincham	...	...	18	...	—	...	18
Winnington	...	...	17	...	3	...	20
Total			...	...	88	17	105

The 23 Elementary Schools have been disinfected during each half-yearly closure, and also whenever closed for epidemic disease.

**Nursing Arrangements, &c.**—The Midwives, the Maternity and Child Welfare, and Tuberculosis Dispensaries, none of which are actually in this Rural District, are administered by the County Council.

The Smallpox Hospital and the Infectious Diseases Hospital, which are administered by a Joint Board of Members from this Rural District, together with representatives from the Urban Districts of Middlewich, Northwich and Winsford, are both situated in this area.

At Weaverham, Hefferstone Grange is used as a Sanatorium by the Warrington Corporation.

In most of the parishes there is a District Nurse, supported by voluntary contributions.

Ambulance accommodation is readily procurable from the adjoining Urban Districts.

**Laboratory Work.**—In addition to the County Council provision for the examination of sputum, arrangements are made by which any practitioner can send for a report from the Public Health Laboratory in Manchester, upon the blood for typhoid reaction, throat swabs for diphtheria test, or sputum for the tubercle bacillus, and during the year under review, the following were reparted upon :—

			Positive.		Negative.		Total.
Tuberculosis	...	...	7	...	—	...	7
Diphtheria	...	...	31	...	8	...	39
Cerebro-spinal fluid	...	...	—	...	—	...	1
			—		—		—
			31	...	8	...	48

All of the tubercular reports were from the County Laboratory.



Samples of water, milk, or any morbid-products can be submitted by the M.O.H. at his discretion.

Diphtheric antitoxin is procured free for any doctor requiring it, and 216,000 units were supplied.

**Sanitary Administration.**—There are 13 Townships scavenged by contract under direct supervision of the Inspector. The work during the year has been carried out very well. Some 9 tons of 15% carbolic powder have been used for the disinfection of pails and ashtubs.

**Sewerage and Sewage Disposal.**—The effluent from the Moulton sewerage works was found to be unsatisfactory. A pipe some 500 yards long was laid to convey this effluent to newly constructed works, consisting of sedimentation tanks and filter beds.

The Rudheath Housing Scheme increased the amount of sewage so much that the old sewage works had to be remodelled. The new Scheme, nearing completion, provides for a population of 2,275, the actual number at present draining to the outfall being 1,725, giving ample margin for future development and allowing for the whole area between the Urban District and the Canal to be put on the water carriage system.

The system is of the separate type, but a portion of the surface water is included. Its capacity allows for a dry weather flow of 45,500 gallons per diem.

The works consist of duplicate screening and detritus tanks, duplicate sedimentation tanks, revolving sprinklers and three percolating filters, and three humus tanks. Duplicate storm water tanks and four sludge-drying lagoons are also provided. In the latter is a pump driven by an oil engine, which delivers the sludge liquor back in to the screening and detritus tanks for final treatment.

**Slaughter Houses.**—Renewals have been granted to 6 of the 8 licensed slaughter houses, and with the 9 registered slaughter houses have been under supervision.

A pig which had an enlarged spleen was examined and the carcase passed, after microscopical examination gave a negative result.

**Water Analysis.**—There were 19 samples of water submitted to the County Analyst. Of these, 3 were from the springs and pools at Crabtree Green which form the supply to the new Water Scheme ; they all proved satisfactory.



Another 4 samples from wells supplying houses and farms at Crowton (2), and at Stanthorne and Nether Peover (1 each), proved satisfactory for domestic use.

Another 7 samples were unsatisfactory, and were the supplies to :—(1) a farm at Acton, (2) a farm at Allostock, (3) four cottages at Lach Dennis, (4) a cottage at Acton, (5) a farm at Wimboldsley, (6) two samples from a well supplying two farms at Byley. All possible steps have been taken to improve these supplies pending the development of the Council's new Water Scheme.

At Wincham, a sample taken from a well supplying a house, proved unfit for dietetic purposes, and the township supply was laid on.

A sample from a well supplying a farm and two cottages at Rudheath showed grave pollution. The well was abandoned, and extension of township mains arranged for.

A sample of water supply to a farm at Allostock showed the water unfit for domestic use, and a rain-water tank was provided.

The stream at Gadbrook showed T.N.T. in a sample taken from the lower reaches, a sample taken higher up proving negative.

Both chemical and bacteriological analysis of two samples from Lostock Gramam of the supply to two farms proved unsatisfactory, and arrangements to extend the township supply are being made.

**Water Supply.**—Definite steps have been taken towards the provision of a comprehensive scheme of water supply, which is divided up into 5 sections.

(1) the largest and most important section, and the first to be proceeded with, awaits the sanction for a loan of the M.H. which has been applied for.

This scheme provides a water supply for the townships of Acton, Anderton, Barnton, Crowton, Comberbach, Cogshall, Little Leigh, Weaverham and Winnington. It entails the laying of some 28 miles of trunk and distributing mains, the erection of a water tower of 120,000 gallons capacity, and the conversion of an existing pool into a natural reservoir of about one-and-a-half million gallons capacity, together with the necessary pumping machinery.

The chief source of supply is the present Waterworks at Crabtree Green, and the scheme puts out of action the inadequate water supplies of Weaverham and Barnton.

The Cogshall scheme owned by B.M. & Co., which is the chief source of supply to Winnington, will also, at their request, be superseded.

Scheme No. 2 will serve the townships of Allostock, Byley, Lach Dennis, Lostock Gralam, Nether Peover and Whatcroft, and the existing Waterworks at Lostock Gralam will be put out of action. The source of supply is the trunk main of the Northwich Urban District which is to be laid to the New Houses, Rudheath.

Scheme No. 3 provides for a connection to the Northwich Urban Council's main at Leftwich to supply the townships of Davenham and Leftwich in substitution for the existing supply from Moulton Waterworks, which is inadequate to supply the three townships of Leftwich, Davenham and Moulton, and has to be supplemented from the Middlewich supply.

Scheme No. 4 is for a supply to Little Budworth village and part of Marton. The source of supply is from Oakmere Lake via the Winsford Urban Council.

Scheme No. 5 provides a supply of water to be taken at some future date from the proposed new Scheme 1. It involves the construction of a reservoir on high land at Delamere, and will enable sufficient pressure to be obtained for all that district to be supplied, the use of the existing supply from the Liverpool main being very restricted owing to the low pressure.

The need for this augmented supply to these various townships is evident when the existing arrangements (shallow wells and small inadequate water schemes) are considered.

**Dairies and Cowsheds.**—Registration under the Milk and Dairies (Amendment) Act, 1922, has proceeded to the number of 82 producers and 25 retailers.

The completion of the register being interfered with by the outbreak of Foot and Mouth Disease in the Country.

The first outbreak was notified on October 31st, and up to the end of the year 49 farms were affected.

The Table shows the number and locality of farms invaded and the stocks of animals affected, the bulk of which were slaughtered :—

TOWNSHIPS.		FARMS.		Stock at date of outbreak.			
				Cattle.	Sheep.	Goats.	Swine.
Acton	...	...	1	21	—	—	8
Barnton	...	...	1	19	—	—	2
Bostock	...	...	4	96	—	—	33
Byley	...	...	1	35	—	—	13
Crowton	...	...	6	198	65	—	9
Cuddington	...	...	1	15	—	—	2
Darnhall	...	...	3	222	168	—	80
Delamere...	...	...	5	94	210	—	44
Eaton	...	...	1	56	—	—	9
Eddisbury	...	...	1	110	202	—	2
Lach Dennis	...	...	1	23	—	—	—
Little Budworth...	...	...	6	253	—	—	134
Little Leigh	...	...	4	124	—	—	48
Lostock Gralam	...	...	1	22	—	—	—
Marton	...	...	1	52	—	—	—
Oakmere	...	...	7	121	—	—	23
Stanthorne	...	...	2	72	—	—	14
Weaverham	...	...	1	7	—	—	15
Whacroft	...	...	1	69	—	—	19
Winnington	...	...	1	48	45	—	10
Total		...	49	1657	690	—	465

In the inauguration of the new Act, instructions were issued by circular to retailers, giving a general idea of the requirements, which were as follows :—

#### CONTAGIOUS DISEASE (ANIMALS) ACT, 1886.

#### MILK & DAIRIES (AMENDMENT) ACT, 1922.

The undermentioned conditions are considered essential to safeguard the Public Health in relation to the Storage and Distribution of Milk.

1st, Storage :—Dairies to be separate and distinct from the Dwelling-house, to have impervious floor with falling gradient to outside gully, and to be efficiently lighted and ventilated.

2nd, Distribution :—Vehicles to be kept in a clean condition, only Milk and Dairy products to be distributed at the same time, on no account greengrocery to be permitted to be carried in the same vehicle during distribution of Milk.

Milk Tankards and Measures to be kept at all times in a clean condition, and Tankards from which milk is measured to be provided with Taps ; the practice of dipping measures into the milk will not be tolerated.



3rd, Quality :—The object of the above conditions is to ensure the Consumer obtaining a clean and wholesome supply of milk, and any breach will be considered to endanger the Quality, and the Distributor will render himself liable to be called upon to appear before the Local Authority to show cause why he should not be removed from the Register.

Proceedings were taken against one small farmer under the Sale of Food and Drugs Act, for selling milk adulterated with 24·7% of added water. A fine of £10 and costs followed a plea of guilty.

The M.O.H. of Ashton-in-Makerfield sent notice on November 30th that two samples of milk from two different farms in the district contained tubercle bacilli. Before milking time that night both herds had been examined by a Veterinary Surgeon. In one herd the offending cow was discovered, and on slaughtering showed well marked tubercular disease. The carcase was destroyed. In the other herd a suspected cow had been slaughtered, and proved tubercular. Two others were isolated as suspects, and samples of milk from them submitted for innoculation test, but before the results could be received the herd was attacked with Foot and Mouth Disease and the whole stock destroyed.

**Factories and Workshops.**—There have been two additions to the register, 1 bakehouse and 1 motor garage.

H.M. Inspector of Factories has notified 5 infringements of regulations, all of which have been remedied.

#### **Public Health Staff.—**

Medical Officer of Health	...	Part time	...	Grant in aid.
Sanitary Inspector	...	...	Whole time...	„ „
Surveyor	...	...	„ „	... Nil.

**Housing.**—There have been 45 new houses built with a loss of 2, which were demolished. The new ones are mostly for owner occupiers and very few for letting. Since 1919 there have been 17 houses demolished and 517 built. There is still a need for houses for the working classes, and the demand is not only by workers in this District but also from those in the contained Urban areas.

The need for power to limit the life of temporary buildings is still evident. Structures of a very flimsy character are erected, and become “permanent.” It would appear that a definite period to their existence would be advisable.

Number of new houses erected during the year :—

(a) Total	...	...	...	...	...	45
(b) As part of a municipal housing scheme...						Nil.

## 1.—UNFIT DWELLING HOUSES.

### 1.—Inspection.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	...				33
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	...	...	...	...	...	33
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...					6
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	...	...	...	...	...	27

## 2.—REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	...	...				27
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## 3.—ACTION UNDER STATUTORY POWERS.

A.—*Proceedings under Section 28 of the Housing, Town Planning, &c., Act, 1919.*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	...	...	...			Nil.
(2) Number of dwelling-houses which were rendered fit :—						
(a) by owners	...	...	...			Nil.
(b) by local Authority in default of owners	...	...	...			Nil.

(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intentions to close	Nil.
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B.—*Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ...	Nil.
(2) Number of dwelling-houses in which defects were remedied :—	
(a) by owners ... ..	Nil.
(b) by local Authority in default of owners ... ..	Nil.

C.—*Proceedings under Sections 17 and 18 of the Housing, Town Planning, &c., Act, 1909.*

(1) Number of representations made with a view to the making of Closing Orders ... ..	6
(2) Number of dwelling-houses in respect of which Closing Orders were made	1
(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit ... ..	Nil.
(4) Number of dwelling-houses in respect of which Demolition Orders were made ... ..	Nil.
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders ... ..	Nil.
Demolished without Orders ...	2
Closing Orders during 1923 deferred	5

HENRY EDWARD GOUGH,

*Medical Officer of Health.*

*March 17th 1923.*



**CAUSES OF DEATH IN NORTHWICH R.D.—1923.**

CAUSES OF DEATH—CIVILIANS ONLY.	MALES.	FEMALES.
ALL CAUSES ... ..	137	136
Enteric Fever.. ... ..	.....	.....
Small Pox ... ..	.....	.....
Measles ... ..	2	2
Scarlet Fever... ..	.....	.....
Whooping Cough ... ..	3	3
Diphtheria ... ..	1	1
Influenza ... ..	5	3
Encephalitis lethargica ... ..	.....	.....
Meningococcal Meningitis ... ..	.....	.....
Tuberculous of respiratory system ... ..	7	6
Other Tuberculous Diseases ... ..	1	2
Cancer, Malignant Disease... ..	14	15
Rheumatic Fever ... ..	2	1
Diabetes ... ..	.....	1
Cerebral Hæmorrhage, &c. ... ..	11	6
Heart Disease... ..	18	22
Arterio-sclerosis ... ..	5	3
Bronchitis ... ..	5	8
Pneumonia (all forms) ... ..	7	12
Other Respiratory Diseases ... ..	2	.....
Ulcer of Stomach or Duodenum ... ..	.....	1
Diarrhœa, &c. (under 2 years) ... ..	1	2
Appendicitis and Typhlitis ... ..	1	1
Cirrhosis of Liver ... ..	.....	1
Acute and Chronic Nephritis ... ..	3	9
Puerperal Sepsis ... ..	.....	.....
Other accidents and diseases of pregnancy and parturition ... ..	.....	.....
Congenital debility and malformation, premature birth ... ..	13	9
Suicide... ..	.....	1
Other deaths from violence ... ..	7	3
Other defined diseases ... ..	29	25
Causes ill-defined or unknown ... ..	.....	.....
Special causes (included above):—		
Poliomyelitis ... ..	.....	.....
Polioencephalitis ... ..	.....	.....
Deaths of Infants under 1 year of age:—		
Total .. ... ..	25	19
Illegitimate... ..	3	3
TOTAL BIRTHS... ..	254	305
Legitimate ... ..	241	298
Illegitimate ... ..	13	7
POPULATION:—		
For Births and Deaths ... ..	25110	

TABLE I.

## 1.—GENERAL STATISTICS.

Area (acres) .. .. .	54,303
Population (1923) (R.G.) .. .. .	25,110
Number of Inhabited Houses (1921) .. .. .	5,460
Number of families or separate occupiers (1921) .. .. .	
Rateable Value .. .. .	£216,401
Sum represented by a penny rate .. .. .	£910

## 2.—EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

	Total.	M.	F.	
Births { Legitimate .. .. .	539	241	298	} Birth Rate (R.G) 22·2
{ Illegitimate .. .. .	20	13	7	
Deaths .. .. .	273	137	136	Death Rate (R.G.) 10·8
Number of women dying in, or in con- sequence of, childbirth .. .. .				{ from sepsis .. 0
				{ „ other causes 1
Deaths of Infants under one year of age per 1,000 births :—				
Legitimate .. 68	Illegitimate .. 1·7	Total .. 78		
Deaths from Measles (all ages) .. .. .				4
„ Whooping Cough (all ages) .. .. .				6
„ Diarrhœa (under 2 years of age) .. .. .				3

TABLE 2.

*Causes of, and Ages at Death during the Year 1923.*

CAUSES OF DEATH.	All Ages.		Under 1 year.		1 and under 2.		2 and under 5.		5 and under 15.		15 and under 25.		25 and under 45.		45 and under 65.		65 and upwards.		TOTAL DEATHS WHETHER OF RESIDENTS OR NON-RESIDENTS IN INSTITUTIONS IN THE DISTRICT.	
	2		3		4		5		6		7		8		9		10		11	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Enteric Fever.....	I	..	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	I	I
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	2	2	I	..	..	..	..	2	I	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	3	3	2	2	..	I	I	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	I	I	..	..	..	..	I	I	..	..	..	..	..	..	..	..	..	..	..	2
Influenza .....	5	3	..	..	..	..	..	..	2	..	..	..	I	..	I	2	I	I	..	..
Encephalitis lethargica ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningococcal Meningitis.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous of respira- tory system .....	6	5	..	..	..	..	..	..	..	..	3	2	2	2	I	I	..	..	17	15
Other Tuberculous Diseases	I	2	..	..	I	..	..	I	..	I	..	..	..	..	..	..	..	..	..	..
Cancer, malignant disease.	13	15	..	..	..	..	..	..	..	..	I	..	I	3	6	8	5	4	I	..
Rheumatic Fever .....	..	I	..	..	..	..	..	..	..	..	..	I	..	..	..	..	..	..	..	..
Diabetes .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebral Hæmorrhage, &c.	11	7	..	..	..	..	..	..	..	..	..	..	..	..	3	3	8	4	..	..
Heart Disease.....	19	23	I	..	..	..	I	I	I	..	I	..	2	2	3	8	10	12	..	..
Arterio-sclerosis .....	6	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	2	..	..
Bronchitis .....	9	10	2	I	I	..	..	..	I	..	..	..	..	..	I	I	4	5	..	..
Pneumonia (all forms) ....	9	12	2	5	I	..	..	2	..	..	..	..	..	I	I	3	5	I	..	..
Other respiratory diseases..	2	I	..	..	..	..	..	..	..	..	..	..	I	..	I	I	..	..	..	..
Ulcer of Stomach or Duo- donum .....	..	I	..	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	..
Diarrhœa, &c. (under 2 years) .....	..	I	..	..	..	I	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Appendicitis and Typhlitis	I	I	..	..	..	..	..	..	..	..	..	..	I	..	..	..	..	I	..	..
Cirrhosis of Liver .....	..	I	..	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	..
Acute and Chronic Nephritis .....	3	8	..	..	..	..	..	..	..	I	..	..	..	..	I	I	2	2	4	..
Puerperal Sepsis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents and dis- eases of Pregnancy and Parturition .....	..	I	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	..	..
Congenital Debility and Malformation, includ- ing Premature Birth ..	14	8	14	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Suicide .....	..	I	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	..	..
Other deaths from Violence	8	2	I	..	I	..	I	..	2	..	..	..	..	..	I	..	2	2	..	..
Other defined diseases ....	25	25	3	3	I	..	2	..	2	..	..	..	I	2	2	4	7	11	12	..
Causes ill-defined or unknown .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Special Causes (included above); Poliomyelitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Polioencephalitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	139	136	26	19	5	2	6	7	9	2	5	4	10	13	24	38	54	51	19	18



TABLE 3.

## INFANT MORTALITY

*Net Deaths from stated Causes at various Ages under One Year of Age.*

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under 1 Year.
<b>ALL CAUSES:</b>										
Certified .....	..	..	..	..	..	..	..	..	..	38
Uncertified .....	..	..	..	..	..	..	..	..	..	0
{ Small-pox .....	..	..	..	..	..	..	..	..	..	..
{ Chicken-pox .....	..	..	..	..	..	..	..	..	..	..
{ Measles .....	..	..	..	..	..	..	..	..	I	I
{ Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..
{ Whooping Cough .....	..	..	..	..	..	..	I	..	I	2
{ Diphtheria and Croup .....	..	..	..	..	..	..	..	..	..	..
{ Erysipelas .....	..	..	..	..	..	..	..	..	..	..
{ Tuberculous Meningitis .....	..	..	..	..	..	..	..	..	..	..
{ Abdominal Tuberculosis (b) .....	..	..	..	..	..	..	..	..	..	..
{ Other Tuberculous Diseases .....	..	..	..	..	..	..	..	..	..	..
{ Meningitis (not Tuberculous) ..	..	..	..	..	..	..	..	I	I	2
{ Convulsions .....	..	..	..	..	..	..	I*	..	I	2
{ Laryngitis .....	..	..	..	..	..	..	..	..	..	..
{ Bronchitis .....	..	..	..	..	..	2	..	I	..	3
{ Pneumonia (all forms) .....	..	..	..	..	..	I	I	3	..	5
{ Diarrhœa .....	..	..	..	..	..	..	..	..	..	..
{ Enteritis .....	..	..	..	..	..	..	..	..	..	..
{ Gastritis .....	..	..	..	..	..	..	..	..	..	..
{ Syphilis .....	2	..	..	..	2	..	..	..	..	2
{ Rickets .....	..	..	..	..	..	..	..	..	..	..
{ Suffocation, over-lying .....	..	..	..	..	..	I	..	..	..	I
{ Injury at Birth .....	..	..	..	..	..	..	..	..	..	..
{ Atelectasis .....	I	..	..	..	I	..	..	..	..	I
{ Congenital Malformations (c) ..	..	..	I	I	2	..	..	..	..	2
{ Premature Birth .....	10	I	..	..	11	..	..	..	..	11
{ Atrophy, Debility, and Marasmus ..	4	..	I	..	5	..	I	..	..	6
{ Other Causes .....	..	..	..	..	..	..	..	..	..	..
{ Influenza .....	..	..	..	..	..	..	..	..	..	..
	17	I	2	I	21	4	4	5	4	38

\* Inquest.

TABLE 4.

Cases of Infectious Disease notified during the Year 1923.

NOTIFIABLE DISEASE.	At all Ages	Under 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 10.	10 to 15.	15 to 25.	25 to 35.	35 to 45.	45 to 65.	65 and up- wards.	TOTAL CASES REMOVED TO HOSPITAL.	Total Deaths
Small-pox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria .....	24	...	1	1	3	2	8	5	1	1	1	1	...	17	2
Erysipelas .....	7	...	1	...	...	...	...	...	...	...	...	4	2	...	...
Scarlet fever .....	107	...	2	1	4	12	48	29	5	4	2	...	...	88	...
Enteric fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Puerperal fever .....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Encephalitis Lethargica .....	2	...	...	...	...	...	2	...	...	...	...	2	...	...	...
Influenzal Pneumonia .....	5	...	...	...	...	...	...	...	2	1	...	...	...	...	...
Ophthalmia Neonatorum .....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males .....	13	...	1	...	...	...	2	...	3	3	3	1	...	10	6
Females .....	4	...	...	...	...	...	2	...	1	...	...	1	...	2	5
Non-Pulmonary Tuberculosis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Males .....	9	...	1	...	...	1	5	...	2	...	...	...	...	...	1
Females .....	4	...	...	1	...	...	2	...	...	1	...	...	...	...	2
Totals .....	178	2	6	3	7	15	69	34	15	10	6	9	2	117	17

CHESHIRE COUNTY COUNCIL.

TABLE 5.

General Order of Local Government Board (Medical Officer of Health and Inspectors of Nuisances), December 13th, 1910.  
Tabular Statement of Inspectors of Nuisances for the Year ended December 31st, 1922.

A Number and Nature of Inspections made.		Number.	B Number of Notices served.		C Result of Service of Notices.			
			Statutory.	Informal.	Notice com- plied with.	Remaining in hand.	Prosecutions.	
							Instituted.	Pending.
1.	Dwelling Houses (general inspection) ..	149	....	149	130	19	....	....
2.	Cellar Dwellings ..	....	....	....	....	....	....	....
3.	Back-to-Back Houses ..	....	....	....	....	....	....	....
4.	Tents, Vans, Sheds, &c... ..	....	....	..	....	....	....	....
5.	Courts, Yards, Passages... ..	35	....	35	35	....	....	....
6.	Privy-Middens, Earth or Pail Closets ..	18	....	18	14	4	....	....
7.	Cesspools .. ..	15	....	15	15	....	....	....
8.	House Drainage .. ..	73	....	73	60	13	....	....
9.	Ditches, Watercourses, &c. ..	3	....	3	3	....	....	....
10.	Offensive Accumulations.. ..	2	....	2	2	....	....	....
11.	The Keeping of Animals (P.H.A., 1875, S. 91 (3) ..	....	....	....	....	....	....	....
12.	Offensive Trades .. ..	1	....	1	1	....	....	....
13.	(a) Slaughterhouses (Public) nil. "          (Private) 11 .. ..	....	....	....	....	....	....	....
	(b) Other Places where Food is produced or sold..	110	....	....	....	....	....	....
14.	Piggeries .. ..	29	....	....	....	....	....	....
15.	(a) Dairies } (b) Cowsheds }	290	1	289	289	1	....	....
	(c) Milkshops .. ..	8	....	....	....	....	....	....
16.	(a) Factories .. ..	14	....	....	....	....	....	....
	(b) Workshops .. ..	87	....	....	....	....	....	....
	(c) Workplaces .. ..	....	....	....	....	....	....	....
	(d) Outworkers' Premises .. ..	....	....	....	....	....	....	....
17.	Bakehouses (Overground) .. ..	62	....	3	3	....	....	....
	"          (Underground) .. ..	1	....	....	....	....	....	....
18.	Common Lodging Houses .. ..	....	....	....	....	....	....	....
19.	Houses let in Lodgings .. ..	....	....	....	....	....	....	....
20.	Smoke Observations .. ..	10	....	1	1	....	....	....
21.	Canal Boats .. ..	34	....	2	2	....	....	....
22.	Infectious Disease Inquiries and Revisits ..	354	....	....	....	....	....	....
23.	Miscellaneous .. ..	24	....	24	24	....	....	....
Totals .. ..		1319	1	615	579	37	1	....